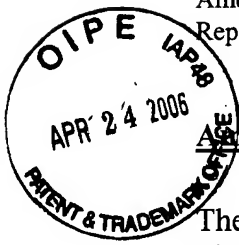


Appl. No. 10/015,537

Amdt. dated April 19, 2006

Reply to Office Action of October 19, 2005

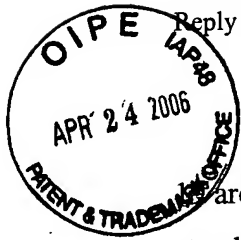
PATENT



Amendments to the Drawings:

The attached sheets of drawings include formalized drawings corresponding to originally filed Figs. 1 - 4. These sheets replace the original sheets of Figs. 1 - 4.

Attachment: Replacement Sheets in Appendix



### REMARKS/ARGUMENTS

Claims 1-23 were pending. Upon entry of this amendment, claims 1, 6, 12, and 19 are amended, claim 24 is added, leaving claims 1-24 pending consideration. Claims 1-23 stand rejected under 35 U.S.C §103(a) as being obvious in view of U.S. Published Patent Application No. 2003/0063656 to Rao et al. (hereinafter "Rao") in view of U.S. Published Patent Application No. 2002/0024942 to Tsuneki et al. (hereinafter "Tsuneki"). The drawings are objected to. Applicants aver that no new matter has been added in this response.

### **Drawing Objections**

In the office action, the Examiner objected to the drawings. Replacement drawings are submitted herewith. Applicants believe that the objections are now moot.

### **§ 103 Rejections**

#### Claims 1, 6, 12 and 19

In the office action, the Examiner rejected claims 1-23 under 35 U.S.C §103(a) as being obvious over Rao in view of Tsuneki. The Examiner stated that with regard to claims 1, 6, 12, and 19, that Rao teaches a system for identifying a scrambling code from signals received from a base station, including a scrambling code generator (or means thereof) configured to generate a master scrambling code, control logic to generate a plurality of individual scrambling codes based on the master scrambling code, the plurality of individual scrambling codes being sequential and any two adjacent individual scrambling codes having a predetermined offset, and a plurality of correlators configured to perform correlations to correlate received signals with a corresponding one of the individual scrambling codes, and generate a correlation result, pointing to Figure 1, page 1, paragraphs 4-5, paragraph 9, page 2, paragraph 22, page 4, paragraph 32-33 *et seq.* of Rao, and that Tsuneki discloses parallel correlations pointing to page 2, paragraph 17 of *et seq.* of Tsuneki. The Applicants respectfully traverse the rejections.

For at least the reasons stated below, Applicants respectfully request reconsideration and withdrawal of the rejections, as each of the claims as amended are patentable over the cited art, alone or in combination.

For example claims 1, 6, 12, and 19 as amended recite in part "a master scrambling code, wherein a period of the master scrambling code is a function of a correlation

length and a number of cells C within a group of cells". Applicants submit Rao or Tsuneki, alone or in combination, fail to disclose at least these elements of claims 1, 6, 12, and 19.

Rao discloses using fixed length secondary synchronization codes (SSCs), which make up a secondary synchronization channel. For example, in Rao, incoming I and Q samples are correlated with the 16 SSCs in each of the 15 time slots of a frame to produce SSC/slot energies. An energy value for each of the 64 SSC sequences is calculated for each of the 15 possible slot hypotheses using a matrix. The highest SSC sequence energy, and its associated slot hypothesis, are used to identify the scrambling code group and frame timing. Thus, Rao relies on the SSC for correlation. In addition, the primary scrambling code noted in Rao discloses a well known industry scrambling code practice of employing a unique scrambling code for each base station to differentiate them. (Rao, paragraphs 5, 9, 22, 26-28). Tsuneki discloses using a P-scrambling code as defined by 3GPP and parallel correlators as part of a spreading process, and therefore does not supply what Rao lacks.

In particular, neither Rao nor Tsuneki, alone or in combination, disclose *generating a master scrambling code having a period that is a function of the correlation time period and the number of cells within a group of cells as claimed* (emphasis added). Claims 1, 6, 12, and 19 are thus patentably distinguished over Rao nor Tsuneki for at least the above reasons.

Claims 2-5, 7-11, 13-18, and 20-23

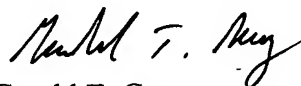
Claims 2-5 depend from claim 1, claims 7-11 depend from claim 6, claims 13-18 depend from claim 12, claims 20-23 depend from claim 19, and are therefore allowable for at least the same reasons as above regarding the independent claims based on their depending therefrom.

**CONCLUSION**

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,



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